

PATENT SPECIFICATION

1,091,031

DRAWINGS ATTACHED.

Inventors:—RUTH MARY RICHARDSON and WILLIAM CORDINGLEY ALLEN.

1,091,031



Date of filing Complete Specification: Aug. 3, 1966.

Application Date: Oct. 5, 1965. No. 42253/65.

Complete Specification Published: Nov. 15, 1967.

© Crown Copyright 1967.

Index at Acceptance:—A4 J12B.

Int. Cl.:—A 47 c 21/00.

COMPLETE SPECIFICATION.

Improvements in Gripping Means for Soft Materials.

We, RUTH MARY RICHARDSON, of 38 Palace View, Bromley, Kent and WILLIAM CORDINGLEY ALLEN, of Homeside, 68 High Street, Lenham, Maidstone, Kent, both of British Nationality, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to gripping means for holding textile material and in particular for holding a bed pillow or its case in position in relation to a bed head.

Pillows are frequently used as a cushion with respect to a bed head but a difficulty occurs in keeping the pillow in position particularly with invalids and sick persons.

Now therefore the object of the present invention is to provide gripping means which is readily attachable to a bed head and which can grip a pillow or its case to hold such pillow in relation to the bed head.

The gripping means according to the invention comprises a first rod-like member intended to be secured to an edge of a pillow or fold of textile material, two elements provided with clamping means securable to a bed head to support the elements thereon and a second rod-like member carried eccentrically to pivot means journaled in the elements so that the second rod-like member may be displaced from a normal position adjacent to a parallel longitudinal member to a position spaced from the parallel longitudinal member, the arrangement being such that in the normal position of the second rod-like member, the first rod-like member may be retained when secured to an edge of a pillow or a fold of

textile material by the second rod-like member.

Preferably the gripping means comprises a third rod-like member which extends between the two elements and constitutes the said parallel longitudinal member.

Preferably the pivot means comprise rods which extend through the elements and at least one rod extends through its element and therebeyond is formed into a handle to facilitate moving the second rod-like member into and out of its normal position.

Preferably the handle is weighted to bias it towards alternative positions.

The rod-like members are conveniently cylindrical in section and may each be a one-piece rod or tube but each could be made telescopic to vary the spacing of the end elements.

An embodiment of the invention will now be described, by way of example only, with reference to the drawings accompanying the provisional specification of which:—

Fig. 1 is a front elevation showing the parts in partly open position;

Fig. 2 is a view on the right hand side of Fig. 1 with the parts in the closed position;

Fig. 3 is a rear elevation with the parts fully open and a loose rod 3 supported by means provided for that purpose and;

Fig. 4 is a view on the right hand side of Fig. 3 and indicating the parts in open position.

The gripping means comprises two end elements 7 of substantially triangular shape and plate-like form which are held in spaced relation by a rod 2. A further rod 1 is carried eccentrically by members journaled in the elements 7 of which the member numbered 4 is extended to form a radially ex-

[Price 4s. 6d.]

tending handle 5 which may be weighted. The rod 1 normally abuts the rod 2 (as indicated in Fig. 2) but may be displaced away therefrom (as indicated in Fig. 4) to leave clear passage between such rods for a third loose rod 3 which may be positioned in an edge of a pillow or a fold in textile material to retain the same when the rods 1 and 2 are in juxtaposition. The material passes between rods 1 and 2 which grip it and hangs down in front of the rods 2 and 3. When not in use the rod 3 may be supported by brackets 8 provided for the purpose.

The lower edge of each element 7 is flanged and carries therebelow clamping means such as (as illustrated) a fixed block and co-operating clamp carried by a rotatable and axially movable screw in the part 6.

The device is readily attachable to a bed head to be held fast thereto by the clamping means and the loose rod 3 may be inserted in a pillow or case thereof and then positioned to be held by the rods 1, 2 and so hold the pillow with respect to the bed head.

The rods may be roughened or rubber covered to obtain better grip. The rod 3 may be flexible and may be a tube of rubber or the like.

The rods 1 and 2 may have a cross-sectional shape other than circular, e.g. hexagonal, and may be fluted.

The clamping means may be designed to permit the elements 7 to be moved forwards and backwards in relation to the bed head for the purpose of adjustment. The clamping means may also be designed so as to be capable of gripping a circular and a flat bed head.

In the arrangement shown the handle 5 is moved generally forwards in relation to the bed head to separate the rods 1 and 2. In a modification the handle 5 is moved generally backwards in relation to the bed head to separate the rods 1 and 2.

WHAT WE CLAIM IS:—

1. Gripping means comprising a first rod-like member intended to be secured to an edge of a pillow or a fold of textile material, two elements provided with clamping means securable to a bed head to support the elements thereon and a second rod-like member carried eccentrically to pivot means journaled in the elements so that the second rod-like member may be displaced from a normal position adjacent to a parallel longitudinal member to a position spaced

from the parallel longitudinal member, the arrangement being such that in the normal position of the second rod-like member, the first rod-like member may be retained when secured to an edge of a pillow or a fold of textile material by the second rod-like member.

2. Gripping means as claimed in claim 1 which comprises a third rod-like member which extends between the two elements and constitutes the said parallel longitudinal member.

3. Gripping means as claimed in claim 1 or claim 2 wherein the pivot means comprise rods which extend through the elements and at least one rod extends through its element and therebeyond is formed into a handle to facilitate moving the second rod-like member into and out of its normal position.

4. Gripping means as claimed in claim 3 wherein the handle is weighted to bias it towards alternative positions.

5. Gripping means as claimed in claim 3 or claim 4 wherein the handle extends radially of the pivot axis.

6. Gripping means as claimed in claim 2 or any of claims 3 to 5 as appendant to claim 2 wherein the second and third rod-like members are cylindrical.

7. Gripping means as claimed in claim 2 or any of claims 3 to 6 as appendant to claim 2 wherein the second and third rod-like elements are telescopic.

8. Gripping means as claimed in any preceding claim wherein the elements are substantially triangular with the clamping means at the base thereof.

9. Gripping means as claimed in claim 8 wherein each element is a substantially triangular plate with a base flange to which is made fast the clamping means.

10. Gripping means as claimed in claim 9 wherein the clamping means are in the form of a fixed block with a co-operating clamp carried by a screw rotatable and axially adjustable relative to a fixed member depending from such flange.

11. Gripping means substantially as hereinbefore described with reference to the drawings accompanying the Provisional Specification.

GEE & CO.,
Chartered Patent Agents,
51-52 Chancery Lane, London, W.C.2,
and
22 Whitefriargate, Hull,
Agents for the Applicants.

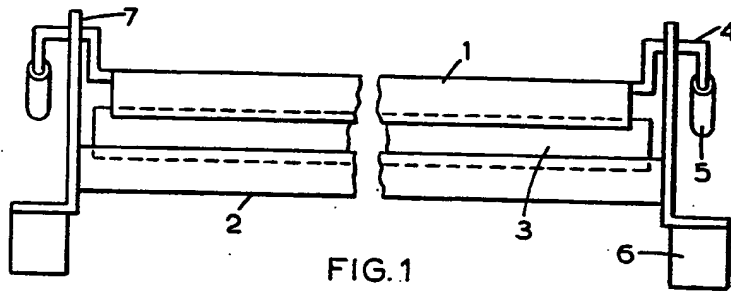


FIG. 1

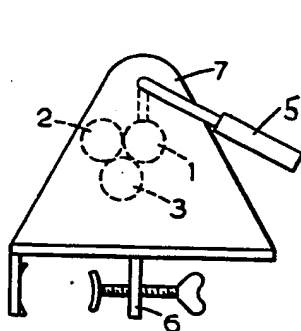


FIG. 2

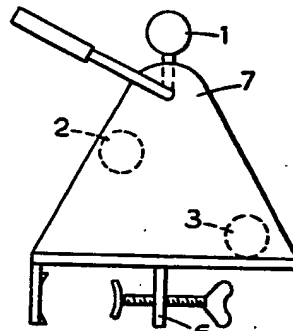


FIG. 4

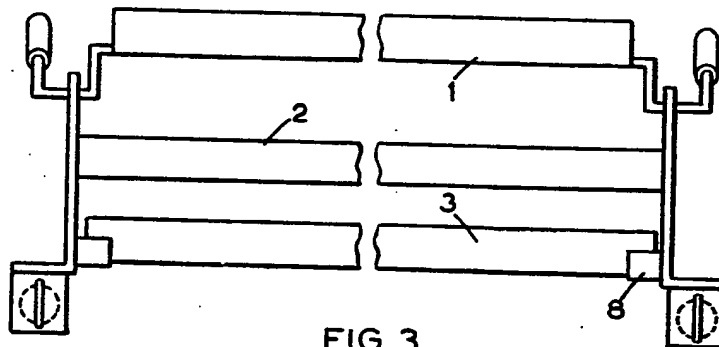


FIG. 3